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State of California—Health and Human Services Agency
California Department of Public Health

Northern California Drinking Water Field Operations Branch
Monterey District



EDMUND G. BROWN JR.
Governor

February 11, 2014

Mr. Randy McAlpine, Owner
McAlpine Lake & Park Water System
900 Anzar Rd
San Juan Bautista, CA 95045

Attention Mr. McAlpine:

CITATION NO. 02-05-14C-004-3500562-27

**CITATION FOR NONCOMPLIANCE - STAGE 1 DISINFECTION BYPRODUCT MONITORING
AND REPORTING VIOLATIONS DURING 2012 AND 2013**

**FAILURE TO SUBMIT A STAGE 2 DISINFECTION BYPRODUCT RULE MONITORING PLAN
DURING 2013**

MCALPINE LAKE & PARK WATER SYSTEM – NO. 3500562

Enclosed is a Citation issued to the McAlpine Lake & Park Water System (McAlpine WS) for failure to comply with disinfection byproduct monitoring and reporting requirements specified in Sections 64530(a), 64534.2(a) and (c), 64534.8(a), and 64537(a), Chapter 15.5, Title 22, of the California Code of Regulations. Specifically, the McAlpine WS failed to comply with the monitoring and reporting requirements for the disinfection byproducts (DBPs) Total Trihalomethanes and Haloacetic acids (five) during the calendar year 2012 and 2013, and bromate during the months of October through December 2013, failed to submit the monitoring reports required for bromate during the calendar years 2012 and 2013, and failed to submit a DBP monitoring plan for compliance with Stage 1 or Stage 2 DBP monitoring following initiation of treatment with Ozone to the water supplied by Well 01.

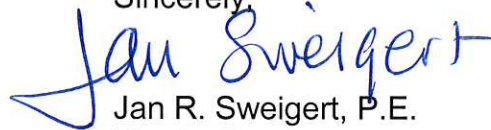
The Citation consists of four sections: Violation, Background, Directives and Further Enforcement Actions. The Violation and Background sections describe the events leading up to the issuance of the Citation. The Directives section specifies required actions that must be implemented by the water system to return to compliance. The Further Enforcement Actions

section describes penalties to be assessed for failure to comply with the Citation. No civil penalty is levied with the attached Citation.

Your water system will be billed at the Department's hourly rate for the time spent on issuing this Citation since this is an enforcement action for noncompliance with state regulations. The water system will receive a bill from our Fee Billing Unit in Sacramento.

If you have any questions regarding this matter, please contact Lora Lyons of my staff at (831) 655-6942 or me at (831) 655-6934.

Sincerely,



Jan R. Sweigert, P.E.
District Engineer, Monterey District
DRINKING WATER FIELD OPERATIONS BRANCH

jrs/lll

Enclosures

CERTIFIED MAIL NO. 7008-1830-004-5435-4392

cc (w/enclosures): San Benito County Environmental Health Department

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC HEALTH

Date of Issuance: February 11, 2014

RE: McAlpine Lake & Park Water System
Water System No. 3500562

TO: Mr. Randy McAlpine, Owner
McAlpine Lake & Park Water System
900 Anzar Road
San Juan Bautista, CA 95045

CITATION FOR NONCOMPLIANCE

STAGE 1 DISINFECTION BYPRODUCT MONITORING AND REPORTING
VIOLATIONS DURING 2012 AND 2013

FAILURE TO SUBMIT A STAGE 2 DISINFECTION BYPRODUCT RULE
MONITORING PLAN DURING 2013

Chapter 4, Article 9, Section 116650 of the California Health and Safety Code (H&S Code) authorizes the issuance of a Citation for failure to comply with this Chapter (California Safe Drinking Water Act) or any regulation, standard, permit, or order issued or adopted thereunder.



Violations

The California Department of Public Health, Drinking Water Field Operations Branch, (hereinafter "Department") hereby issues a Citation to the McAlpine Lake & Park Water System (hereinafter "McAlpine WS") for the following violations:

Stage 1 Disinfectant and Disinfection Byproducts Rule (Stage 1)

1. Violation of disinfection byproduct monitoring (DBP) and reporting requirements for compliance with Stage 1, pursuant to Sections 64530(a), Article 1, 64534.2(a) and (c), and Section 64534.8(a), Article 3, and Sections 64537 and 64537.2, Article 6, Chapter 15.5, Title 22, of the California Code of Regulations (CCR).

Section 64530(a) specifies that nontransient noncommunity water systems that treat their water with a chemical disinfectant comply with the requirements of Chapter 15.5, Title 22, CCR.

The McAlpine WS began providing ozone treatment to the water supplied by (Primary Station Code (PSC): 3500562-001) during the first quarter of 2012 and failed to comply with the requirements of Chapter 15.5, Title 22, CCR during the calendar years 2012 and 2013.

Sections 64534.2(a) and (c), 64537, and 64537.2 specify that water systems shall monitor for DBPs at frequencies based on water system type, population, or analytical results and report the results to the Department within ten (10) days after the end of each quarter.



1 The McAlpine WS failed to conduct monitoring for the DBPs Total
2 Trihalomethanes (TTHM) and Haloacetic acids (five) (HAA5) during the
3 calendar years 2012 and 2013, and bromate during the months of
4 October, November and December 2013.

5
6 Section 64534.8(a) specifies that water systems develop and submit a
7 monitoring plan to the Department for review and approval.

8
9 The McAlpine WS failed to submit a DBP monitoring plan to the
10 Department for review and approval following installation of ozone
11 treatment.

12
13 **Stage 2 Disinfectant and Disinfection Byproducts Rule (Stage 2)**

- 14
15 2. Violation of DBP monitoring and reporting requirements for compliance
16 with Stage 2 pursuant to Sections 64530(a), Article 1 and 64534.8(a),
17 Article 6, Chapter 15.5, Title 22, CCR.

18
19 Section 64530(a) requires that nontransient noncommunity water
20 systems that treat their water with a chemical disinfectant comply with
21 the requirements of Chapter 15.5, Title 22, CCR.

22
23 Section 64534.8(a) requires water systems to develop and submit a
24 monitoring plan to the Department for review and approval.



1 The McAlpine WS failed to develop and submit a DBP monitoring plan
2 to the Department that meets the requirements of Stage 2 by October
3 1, 2013.

4
5 **Background**

6
7 The McAlpine WS is classified as a nontransient noncommunity water system,
8 which serves a population of approximately 110 persons through 33 service
9 connections. The McAlpine WS has one (1) groundwater source designated as
10 Well 01 (PSC: 3500562-001). The McAlpine WS has one (1) ozone treatment
11 system for reduction of manganese for the water supplied by Well 01. Treated
12 water samples from the distribution system are collected at a sample tap near the
13 McAlpine WS office. The treated water sample tap is identified as Treated Water
14 (PSC: 3500562-002).

15
16 By Inspection Report dated May 10, 2012, the McAlpine WS was directed to
17 submit a DBP monitoring plan to the Department by June 30, 2012, and conduct
18 monitoring for DBPs including TTHM, HAA5, and bromate for compliance with
19 Stage 1.

20
21 By letter dated February 11, 2013, the McAlpine WS was advised of its failure to
22 comply with Stage 1 monitoring and reporting requirements and directed to return
23 to compliance by fulfilling specific bromate and TTHM and HAA5 monitoring and
24 reporting requirements, including the submittal of a DBP monitoring plan meeting
25 the requirements of Stage 2 to the Department for approval by October 1, 2013.



1 By letter dated October 1, 2013, the Department reiterated the monitoring and
2 reporting requirements of Stage 2 and provided the McAlpine WS with a template
3 of a Stage 2 monitoring plan for completion and submittal to the Department by
4 November 1, 2013.

5
6 During a field visit to the water system on January 29, 2014, Mr. Randy
7 McAlpine, Jr. was advised of the failure to comply with Stage 1 monitoring and
8 reporting requirements, and submittal of a Stage 2 monitoring plan. By email
9 dated January 30, 2014, the Department provided the McAlpine WS with the
10 bromate quarterly reporting form, a copy of the letter dated October 1, 2013, and
11 extended the deadline for submittal of previously requested water quality data,
12 reporting forms, and Stage 2 monitoring plan to February 10, 2014.

13
14 To date, the McAlpine WS has not submitted a Stage 2 monitoring plan, TTHM
15 and HAA5 laboratory analysis results for the calendar years 2012 and 2013, or
16 quarterly bromate reports for the second, third, and fourth quarters of 2012 and
17 the first through fourth quarters of 2013, to the Department. In addition, the
18 Department has not received analysis results of monthly bromate monitoring for
19 the months of October, November, or December 2013.

20
21 **Directives**

22
23 The McAlpine WS is hereby directed to take the following actions:

- 24
25 1. Immediately cease and desist from failing to comply with Sections
26 64530(a) and (d), Article 1, 64534.2(a) and (c) and 64534.8(a), Article
27



1 3, and Section 64537(a) and 64537.2, Article 6, Chapter 15.5, Title 22,
2 CCR.

3
4 2. Conduct public notification of the DBP water quality monitoring and
5 reporting violations in conformance with Section 64463.7, Chapter 15,
6 Title 22, CCR. The notification shall be completed in accordance with
7 the following:

8
9 • By posting the public notice in conspicuous public places
10 throughout the area served by the McAlpine WS within thirty (30)
11 days of receipt of this Citation. Notice must be posted in place for
12 as long as the violation continues, but not less than seven (7) days.

13
14 • By one of following secondary methods to reach persons not likely
15 to be reached by posting within thirty (30) days of receipt of this
16 Citation;

17
18 ➤ By publication in a local newspaper or by internet posting of the
19 notice. If the McAlpine WS opts to issue the notice via internet
20 website, the public notification shall remain posted for as long
21 as the violation continues, but not less than seven (7) days.
22 The McAlpine WS must determine which option will be used to
23 conduct the secondary distribution of the notice and notify the
24 Department of their decision no later than **February 26, 2014**.

25
26 3. Submit the Public Notification required by Directive No. 2 of this
27 Citation to the Department for approval prior to distribution. A sample



1 notice is enclosed (Attachment A) that may be used to fulfill the
2 notification requirement. **The McAlpine WS must edit the wording**
3 **of the sample notification as necessary.**

4
5 4. Proof of Notification must be provided to the Department by submitting
6 copies of the notice posted and distributed to the customers with the
7 completed Proof of Notification form (Attachment B) to the Department
8 **within ten (10) days following issuance of the Public Notification.**

9
10 5. The McAlpine WS shall conduct monthly bromate monitoring of the
11 distribution system with collection of the next bromate sample from the
12 Treated Water (PSC: 3500562-002) sample tap by **February 28, 2014,**
13 **and electronically submit analysis results to the Department by**
14 **the tenth day of the month following completion of analysis.**

15
16 6. The McAlpine WS shall submit a completed Quarterly Bromate Report
17 for Disinfection Byproducts Compliance for Systems Using Ozone
18 (Attachment C) to the Department by the **tenth day of the month**
19 **following the end of each quarter, with the next report due to be**
20 **submitted by April 10, 2014.**

21
22 7. The McAlpine WS shall submit a completed DBP monitoring plan that
23 specifies the frequency and location of monitoring for TTHM, HAA5
24 and bromate for compliance with Stage 2 monitoring. The Stage 2
25 monitoring plan must be submitted to the Department by **March 10,**
26 **2014.**

27



- A copy of the letter dated October 1, 2013, regarding Disinfection Byproducts Monitoring and Reporting Requirements which includes a template of a monitoring plan is enclosed as Attachment D for your use.

8. The McAlpine WS shall comply with all applicable DBP monitoring and reporting requirements as specified in Chapter 15.5, Title 22, CCR.

All responses to the directives contained in this Citation shall be submitted to:

Jan R. Sweigert, P.E.
District Engineer, Monterey District
California Department of Public Health
Drinking Water Field Operations Branch
1 Lower Ragsdale, Building 1, Suite 120
Monterey, CA 93940

Further Enforcement Actions

Division 104, Part 12, Chapter 4, (commencing with section 116270) of the California H&S Code authorizes the Department to: issue additional citations with assessment of penalties if a public water system continues to fail to correct a violation identified in a citation; take action to suspend or revoke a permit that has been issued to a public water system if the system has violated applicable law or regulations or has failed to comply with orders of the Department; and petition the superior court to take various enforcement measures against a public water system that has failed to comply with orders of the Department. By issuance of this Citation, the Department does not waive any right to take



1 additional or alternative enforcement action against the McAlpine WS including,
2 but not limited to, assessment of penalties as authorized by law.

3
4 Failure to comply with any provision or directive of this Citation may result in the
5 Department imposing penalties.

6
7
8 2/11/2014

9 Date

Jan R. Sweigert

Jan R. Sweigert, P.E.

District Engineer, Monterey District

DRINKING WATER FIELD OPERATION BRANCH



10
11
12
13
14
15 Enclosures: Attachment A: Public Notification Sample
16 Attachment B: Proof of Notification Form
17 Attachment C: Quarterly Bromate Report
18 Attachment D: Letter dated October 1, 2013

19
20 **CERTIFIED MAIL NO. 7008-1830-004-5435-4392**



Instructions for Tier 3 Monitoring Violations Annual Notice Template

Template Attached

Since most monitoring violations are included in Tier 3, you must provide public notice to persons served within one year after you learn of the violation [California Code of Regulations, Title 22, Chapter 15, Section 64463.7(b)]. Multiple monitoring violations can be serious. **Each water system required to give public notice must submit the notice to the Department for approval prior to distribution or posting, unless otherwise directed by the Department [64463(b)].**

Notification Methods

You must use the methods summarized in the table below to deliver the notice to consumers. If you mail, post, or hand deliver, print your notice on letterhead, if available.

<i>If You Are a...</i>	<i>You Must Notify Consumers by...</i>	<i>...and By One or More of the Following Methods to Reach Persons Not Likely to be Reached by the Previous Method...</i>
Community Water System [64463.7(c)(1)]	Mail or direct delivery ^(a)	Publication in a local newspaper
		Posting ^(b) in conspicuous public places served by the water system or on the Internet
		Delivery to community organizations
Non-Community Water System [64463.7(c)(2)]	Posting in conspicuous locations throughout the area served by the water system ^(b)	Publication in a local newspaper or newsletter distributed to customers
		Email message to employees or students
		Posting ^(b) on the Internet or intranet
		Direct delivery to each customer

(a) Notice must be distributed to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system.

(b) Notice must be posted in place for as long as the violation or occurrence continues, but in no case less than seven days.

The notice attached is appropriate for the methods described above, insertion in an annual notice, or included in the Consumer Confidence Report¹. However, you may wish to modify it before using it for posting. If you do, you must still include all the required elements and leave the standard language for monitoring and testing

¹ CCR may be used as long as public notification timing and delivery requirements are met [64463.7(d)].

February 11, 2014

Attachment A
Citation 02-05-14C-004-3500562-027

procedure violations and notification language in italics unchanged. This language is mandatory [64465].

You may need to modify the template for a notice for individual monitoring violations. The template presents violations in a table; however, you may write out an explanation for each violation if you wish. For any monitoring violation for volatile organic compounds (VOCs) or other groups, you may list the group name in the table, but you must provide the name of every chemical in the group on the notice (e.g., in a footnote). An example is shown in the table below.

<i>Contaminant</i>	<i>Required Sampling Frequency</i>	<i>Number of Samples Taken</i>	<i>When All Samples Should Have Been Taken</i>	<i>When Samples Were or Will Be Taken</i>
VOCs ^(a)	1 sample every 3 years	None	2002 – 2005	February 2006

(a) Benzene; Carbon Tetrachloride; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; 1,1-Dichloroethane; 1,2-Dichloroethane; 1,1-Dichloroethylene; cis-1,2-Dichloroethylene; trans-1,2-Dichloroethylene; Dichloromethane; 1,2-Dichloropropane; 1,3-Dichloropropene; Ethylbenzene; Methyl-*tert*-butyl ether; Monochlorobenzene; Styrene; 1,1,2,2-Tetrachloroethane; Tetrachloroethylene; Toluene; 1,2,4-Trichlorobenzene; 1,1,1-Trichloroethane; 1,1,2-Trichloroethane; Trichloroethylene; Trichlorofluoromethane; 1,1,2-Trichloro-1,2,2-Trifluoroethane; Vinyl Chloride; and Xylenes.

You may need to modify the notice if you had any monitoring violations for which monitoring later showed a maximum contaminant level or other violation. In such cases, you should refer to the public notice you issued at that time.

Multilingual Requirement

Spanish. Each public notice must contain information in Spanish regarding (1) the importance of the notice or (2) contain a telephone number or address where Spanish-speaking residents may contact the water system to obtain a translated copy of the public notice or assistance in Spanish.

Non-English Speaking Groups Other than Spanish-Speaking. For each group that exceeds 1,000 residents or 10% of the residents in the community served, whichever is less, the public notice must (1) contain information in the appropriate language(s) regarding the importance of the notice or (2) contain a telephone number or address where such residents may contact the water system to obtain a translated copy of the notice or assistance in the appropriate language.

Population Served

Make sure it is clear who is served by your water system -- you may need to list the areas you serve.

Corrective Actions

In your notice, describe corrective actions you took or are taking. Listed below are some steps commonly taken by water systems with monitoring violations. Choose the appropriate language, or develop your own:

- “We have since taken the required samples, as described in the last column of the table above. The samples showed we are meeting drinking water standards.”
- “We have since taken the required samples, as described in the last column of the table above. The sample for [contaminant] exceeded the limit. [Describe corrective action; use information from public notice prepared for violating the limit.]”
- “We plan to take the required samples soon, as described in the last column of the table above.”

After Issuing the Notice

Send a copy of each type of notice and a certification that you have met all the public notice requirements to the Department within ten days after you issue the notice [64469(d)]. You should also issue a follow-up notice in addition to meeting any repeat notice requirements the Department sets.

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

It is a good idea to issue a “problem corrected” notice when the violation is resolved.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Monitoring Requirements Not Met for McAlpine Lake and Park Water System No. 3500562

Our water system failed to monitor as required for drinking water standards during the past year and, therefore, was in violation of the regulations. Even though this failure was not an emergency, as our customers, you have a right to know what you should do, what happened, and what we did to correct this situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the calendar years 2012 and 2013 we did not test and report for Total Trihalomethanes (TTHM) and Five Haloacetic Acids (HAA5). During the months of October to December 2013 did not test and report for bromate. Therefore, we cannot be sure of the quality of our drinking water during that time.

What should I do?

- There is nothing you need to do at this time.
- The table below lists the contaminant(s) we did not properly test for during the last year, how many samples we are required to take and how often, how many samples we took, when samples should have been taken, and the date on which follow-up samples were (or will be) taken.

<i>Contaminant</i>	<i>Required Sampling Frequency</i>	<i>Number of Samples Taken</i>	<i>When All Samples Should Have Been Taken</i>	<i>When Samples Were or Will Be Taken</i>
TTHM & HAA5	Once per Year	0	August 2012, August 2013	
bromate	one sample every month	0	October to December 2013	(frequency and dates)

- If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

[Describe corrective action].

February 11, 2014

Attachment A
Citation 02-05-14C-004-3500562-027

For more information, please contact [name of contact] at [phone number] or [mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by McAlpine Lake & Park water system

State Water System ID#: 3500562. Date distributed: _____.

System Representative Name & Title: _____

System Representative Signature: _____

February 11, 2014

Citation No. 02-05-14C-004-3500562-27

PROOF OF NOTIFICATION**McAlpine Lake and Park****System Number: 3500562****Certification**

As required by Section 116450 of the California Health and Safety Code, I notified the users of the water supplied by the McAlpine Lake and Park water system of the violation of Title 22, California Code of Regulations for the compliance periods of the calendar years 2012 and 2013 for TTHM and HAA5 monitoring and the months of October to December 2013 for bromate monitoring and reporting. I complied with the directives of this Citation as indicated below:

<u>Required Action</u>	<u>Date Completed</u>
Public Notification – Posting	
Public Notification – List Secondary Method Used: _____	
Proof of Notification	
_____ Signature of Water System Representative	_____ Date

*** Attach a copy of the notice posted and distributed. ***

THIS FORM MUST BE COMPLETED AND RETURNED TO THE DEPARTMENT

Disclosure: Be advised that Section 116725 and 116730 of the California Health and Safety Code states that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in county jail not to exceed one year, or by both the fine and imprisonment.

**User's Document for
Quarterly Bromate Report for Disinfection Byproducts Compliance
For Systems Using Ozone**

- The following reporting forms have been developed for water systems that monitor for bromate:
 - (1) Quarterly Bromate Report for Disinfection Byproducts Compliance for Systems Using Ozone (For the First Year of Monitoring Only).
 - (2) Quarterly Bromate Report for Disinfection Byproducts Compliance for Systems Using Ozone (aka Standard Form)
 - (3) Quarterly Bromate Report for Disinfection Byproducts Compliance for Systems Using Ozone (For Reduced Bromate Monitoring Only)
- During the first year of monitoring, less than 12 months of data are available and thus a running annual average cannot be determined. A special reporting form (Item 1) has been developed for use only during the first year of monitoring to clarify how compliance is determined. After 12 months of data have been collected, the standard reporting form (Item 2) should be used.
- In addition to the reporting requirements in Section 64537.2, the following data should be reported each quarter to determine bromate compliance:
 - (1) The monthly average of all bromate samples taken each month for the last 12 months to confirm proper calculation of the running annual average.
- Reporting is required within 10 days after the end of each quarter. The reporting form has been developed in such a way that the same sheet can be used throughout one calendar year.
- The reporting form can be used readily as a hardcopy. For convenience to Microsoft Excel spreadsheet users, a formula to compute the average has been embedded in the appropriate cells. Any result that is below the detection limit for purposes of reporting (DLR) should be reported as "0" (zero) so that the average can be properly calculated. Values in a given quarter's table are linked to the values entered in the preceding quarter's table such that the same values do not have to be re-entered. To prevent the accidental deletion of a formula, any cell that contains a formula and therefore does not require data entry is protected. To modify a protected cell, remove protection by using the Unprotected Sheet command (Tools menu, Protection submenu).

The following is from the state Disinfectants, Disinfection Byproducts, and Disinfection Byproduct Precursors regulation, Chapter 15.5, Title 22, *California Code of Regulations*, and applies only to monitoring of bromate for disinfection byproducts compliance. **The regulation should be referred to for the specific language and requirements.**

Maximum Contaminant Level (MCL) [Section 64533(a)]

The MCL for bromate is 0.010 mg/L.

Detection Limit for Purposes of Reporting [Section 64533(a)]

The DLRs for bromate are 0.0050 mg/L and 0.0010 mg/L (for analysis performed using EPA Method 317.0 Revision 2.0, 321.8, or 326.0). The lower DLR is required for reduced bromate monitoring.

Monitoring Requirements [Section 64534.2(c)]

Community and nontransient noncommunity water systems using ozone shall monitor for bromate as follows:

- (1) Take one sample per month for each treatment plant using ozone. Samples shall be taken at the entrance to the distribution system while the ozonation system is operating under normal conditions.
- (2) Bromate monitoring may be reduced from monthly to quarterly, if the running annual average bromate concentration is ≤ 0.0025 mg/L based on monthly bromate measurements for the most recent four quarters, with samples analyzed using Method 317.0 Revision 2.0, 321.8, or 326.0.

Monthly bromate monitoring shall resume if the running annual average bromate concentration, computed quarterly, is ≥ 0.0025 mg/L. The Department shall be notified in writing within 30 days of the change in monitoring frequency (i.e., going to reduced monitoring or returning to routine monitoring).

- (3) Note: The following are no longer in effect and will be deleted in a future rulemaking:
- a. Section 63534.2(c)(2) – Systems shall continue monthly bromide monitoring of the source water to remain on reduced bromate monitoring.
 - b. Section 64534.2(c)(3)(B) – Systems shall resume routine bromate monitoring pursuant to section 64534.2(c)(1) and notify the Department in writing within 30 days of the change in monitoring frequency if the running annual average source water bromide concentration, computed quarterly, is ≥ 0.05 mg/L based upon representative monthly measurements.

Determining Compliance [Section 64535.2]

During the first year of monitoring, compliance is determined as follows:

- (1) The average of the first quarter's results shall not exceed four times the MCL.
- (2) The average of the first and second quarter's results shall not exceed two times the MCL.
- (3) The average of the first, second, and third quarter's results shall not exceed 1.33 times the MCL.

After 12 months of data are available, compliance is based on a running annual average, computed quarterly, of monthly samples (or monthly averages if more than one sample was taken during a single month). If the MCL is exceeded, the system shall comply with the requirement to notify the public and report the violation to the Department. If there is a failure to complete 12 consecutive months of monitoring, compliance with the MCL for the last four-quarter compliance period shall be based on the average of the available data.

Reporting Requirements [Section 64537.2]

The following information is to be reported to the Department:

- (1) The number of samples taken during the last quarter.
- (2) The location, date, and result of each sample taken during the last quarter.
- (3) The average of monthly averages for the last 12 months (i.e., the running annual average, RAA).
- (4) Whether, based on Section 64535.2(c), the MCL was violated.

**Quarterly Bromate Report for Disinfection Byproducts Compliance
For Systems Using Ozone
For the First Year of Monitoring Only***

System Name: _____ System No.: _____

Calendar Year*: _____ Quarter: _____ Sample Location: _____

1st Quarter		
Month	Sample Date	Bromate Level** (mg/L)
January		
February		
March		
Average of 1st Quarter's Results:		
Meets standard? (i.e. average \leq 4xMCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of samples taken during the quarter:		

2nd Quarter		
Month	Sample Date	Bromate Level** (mg/L)
January		
February		
March		
April		
May		
June		
Average of 1st & 2nd Quarter's Results:		
Meets standard? (i.e. average \leq 2xMCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of samples taken during the quarter:		

3rd Quarter		
Month	Sample Date	Bromate Level** (mg/L)
January		
February		
March		
April		
May		
June		
July		
August		
September		
Average of 1st, 2nd, & 3rd Quarter's Results:		
Meets standard? (i.e. average \leq 1.33xMCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of samples taken during the quarter:		

4th Quarter		
Month	Sample Date	Bromate Level** (mg/L)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
Running Annual Average (RAA)*:		
Meets standard? (i.e. RAA \leq MCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of samples taken during the quarter:		

Comments: _____

Signature: _____ Date: _____

*This form should be used for the first year of monitoring only. A standard reporting form has been developed for use after the first year of monitoring has been completed. After 12 months of monitoring have been completed, compliance is based on a running annual average (RAA), computed quarterly, of monthly averages.

**The monitoring requirement is one sample per month for each treatment plant using ozone. Samples are to be taken at the entrance to the distribution system while the ozonation system is operating under normal conditions. If more than one sample is taken during a single month, then report the date and result of all samples (use additional sheet if necessary) and report the monthly average in this column.

Quarterly Bromate Report for Disinfection Byproducts Compliance For Systems Using Ozone

System Name: _____ System No.: _____

Calendar Year: _____ Quarter: _____ Sample Location: _____

1st Quarter				
	Month	Sample Date	Bromate Level* (mg/L)	
Previous Year	April			
	May			
	June			
	July			
	August			
	September			
	October			
	November			
	December			
	Current Year		January	
			February	
			March	
Running Annual Average (RAA):				
Meets standard? (i.e. RAA ≤ MCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No		
No. of samples taken during the quarter:				

2nd Quarter			
	Month	Sample Date	Bromate Level* (mg/L)
Previous Year	July		
	August		
	September		
	October		
	November		
	December		
Current Year	January		
	February		
	March		
	April		
	May		
	June		
Running Annual Average (RAA):			
Meets standard? (i.e. RAA ≤ MCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
No. of samples taken during the quarter:			

3rd Quarter			
	Month	Sample Date	Bromate Level* (mg/L)
Previous Yr	October		
	November		
	December		
Current Year	January		
	February		
	March		
	April		
	May		
	June		
	July		
	August		
	September		
Running Annual Average (RAA):			
Meets standard? (i.e. RAA ≤ MCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
No. of samples taken during the quarter:			

4th Quarter			
	Month	Sample Date	Bromate Level* (mg/L)
Current Year	January		
	February		
	March		
	April		
	May		
	June		
	July		
	August		
	September		
	October		
	November		
	December		
Running Annual Average (RAA):			
Meets standard? (i.e. RAA ≤ MCL of 0.010 mg/L)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
No. of samples taken during the quarter:			

Comments: _____

Signature: _____ Date: _____

*The monitoring requirement is one sample per month for each treatment plant using ozone. Samples are to be taken at the entrance to the distribution system while the ozonation system is operating under normal conditions. If more than one sample is taken during a single month, then report the date and result of all samples (use additional sheet if necessary) and report the monthly average in this column.

Quarterly Bromate Report for Disinfection Byproducts Compliance
For Systems Using Ozone
For Reduced Bromate Monitoring Only*

System Name: _____ System No.: _____

Calendar Year: _____ Quarter: _____ Sample Locations: _____

1st Quarter		
Month	Sample Date	Bromate Level (mg/L)
Previous Year	July	
	August	
	September	
	October	
	November	
	December	
	January	
	February	
	March	
Current Year	April	
	May	
	June	
Running Annual Average (RAA):		
Is RAA \leq 0.0025 mg/L?		<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of samples taken during the quarter:		

2nd Quarter			
Month	Sample Date	Bromate Level (mg/L)	
Previous Year	October		
	November		
	December		
	January		
	February		
	March		
	Current Year	April	
		May	
		June	
July			
August			
September			
Running Annual Average (RAA):			
Is RAA \leq 0.0025 mg/L?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
No. of samples taken during the quarter:			

3rd Quarter			
Month	Sample Date	Bromate Level (mg/L)	
Previous Yr	January		
	February		
	March		
	April		
Current Year	May		
	June		
	July		
	August		
	September		
	October		
	November		
	December		
	Running Annual Average (RAA):		
	Is RAA \leq 0.0025 mg/L?		<input type="checkbox"/> Yes <input type="checkbox"/> No
	No. of samples taken during the quarter:		

4th Quarter		
Month	Sample Date	Bromate Level (mg/L)
Current Year	April	
	May	
	June	
	July	
	August	
	September	
	October	
	November	
	December	
	January	
	February	
	March	
Running Annual Average (RAA):		
Is RAA \leq 0.0025 mg/L?		<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of samples taken during the quarter:		

Comments: _____

Signature: _____ Date: _____

*Bromate monitoring may be reduced from monthly to quarterly if the running annual average bromate concentration is less than or equal to 0.0025 mg/L based on monthly bromate measurements for the most recent four quarters, with samples analyzed using Method 317.0 Revision 2.0, 321.8, or 326.0. Monthly bromate monitoring must resume, and the Department notified in writing within 30 days of the change in monitoring frequency, if the running annual average bromate concentration, computed quarterly, is greater than 0.0025 mg/L.



RON CHAPMAN, MD, MPH
Director & State Health Officer

State of California—Health and Human Services Agency
California Department of Public Health

Northern California Drinking Water Field Operations Branch
Monterey District



EDMUND G. BROWN JR.
Governor

October 1, 2013

Mr. Randy McAlpine, Owner
McAlpine Lake & Park Water System
900 Anzar Road
San Juan Bautista, CA 95045

TO: All Community Water Systems and Nontransient Noncommunity Water Systems That:

- **Use a Primary or Residual Disinfectant Other than Ultraviolet (UV) Light**

RE: STATE ADOPTION OF THE FEDERAL STAGE 2 DISINFECTANTS AND DISINFECTION BYPRODUCTS RULE

The California Department of Public Health (Department) has adopted the federal Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2) requirements, which provide increased public health protection by reducing the potential risk of adverse health effects associated with TTHM and HAA5. The State Stage 2 contains the provisions of the federal Stage 2 and some additional requirements.

Please note that this letter serves as a general announcement and is not intended to be a substitute for the actual regulations. The adopted regulations are contained in Chapter 15.5, Sections 64530 through 64537.6 of Title 22 of the California Code of Regulations, which can be downloaded from our website at the following location by selecting the Drinking Water-Related Regulations link:

<http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Lawbook.aspx>

Please review the following information to ensure compliance with Stage 2.

Monitoring Plan

- Compliance with Stage 2 requires all water systems using a disinfectant other than UV Light submit a new DBP Monitoring Plan to the Department. The Department has enclosed a DBP Monitoring Plan that meets the requirements of the Stage 2 for your use.
- The water system must review the enclosed DBP Monitoring Plan for accuracy and return a signed copy along with a map showing the location of the sample site. Alternatively, you

may submit an amended plan that meets the requirements of Stage 2 monitoring requirements. The signed DBP Monitoring Plan and map must be submitted to the Department by **November 1, 2013**.

Monitoring Requirements

- McAlpine water system is required to comply with STAGE 2 and **must conduct TTHM and HAA5 monitoring in 2014**.
- Water systems will be required to have TTHM and HAA5 monitoring results reported to the Department electronically via Electronic Data Transfer (EDT). The Primary Station (PS) Code for your water system for TTHM and HAA5 monitoring and reporting is shown below.

3500562 - 801

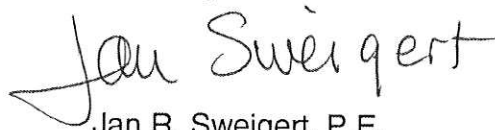
- In addition to TTHM and HAA5 monitoring and EDT submittal of results, the McAlpine water system must continue to conduct monthly bromate monitoring at the entrance to the distribution system. The PS Code for EDT submittal of bromate monitoring results is shown below.

3500562 - 002

Please note: the assigned PS Codes must be included when submitting samples to the laboratory for analysis.

If you have any questions regarding this matter, please contact the Monterey District Office at (831) 655-6939.

Sincerely,

A handwritten signature in black ink that reads "Jan Sweigert". The signature is fluid and cursive, with the first name "Jan" and last name "Sweigert" clearly legible.

Jan R. Sweigert, P.E.
District Engineer, Monterey District Office
DRINKING WATER FIELD OPERATIONS BRANCH

Enclosure: Stage 2 DBP Monitoring Plan

**STAGE 2 DISINFECTION BYPRODUCT RULE (DBPR)
COMPLIANCE MONITORING PLAN
SCHEDULE 4 – Groundwater System (Population < 500)**

Water System Name/ Number: McAlpine Lake & Park/3500562

Population Served: 110

Source Water: Groundwater

Disinfection Type: Ozone

Part 1: Monitoring Location and Site Justification:

Please check the appropriate box:

- ☐ TTHM and HAA5 samples will be taken at Site #43. This location represents the maximum residence time of the water in the distribution system.
- ☐ TTHM and HAA5 samples will be taken at _____. (Please enter a sampling site representative of the highest TTHM and highest HAA5 concentrations)
- ☐ Bromate samples will be taken at the Treated Water sample tap.

Part 2: Stage 2 DBPR Monitoring Date:

The warmest month in San Benito County is typically August. TTHM and HAA5 samples will be collected annually in August.

Bromate samples must be collected monthly.

Part 3: Compliance Calculations:

TTHM and HAA5 compliance is based on the annual sample result.

The system is in compliance if TTHM ≤ 0.080 mg/L, and HAA5 ≤ 0.060 mg/L.

Bromate compliance is based on the running annual average of monthly samples, computed quarterly.

The system is in compliance if Bromate ≤ 0.010 mg/L.

Required Attachments

- Attach a schematic of your distribution system including all storage tanks, water treatment plants, disinfection facilities, etc. Please clearly identify each Stage 2 DBPR monitoring site.
- **Optional:** Any additional supporting documentation.

Part 4: Certification

Signature

Date

Name (print)

Title

Phone